

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **6RSRK-150-HE-L830**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-150-HE-L830
Description: 6ft RSRK, 1500 LUMEN PER FOOT 80CRI 3000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

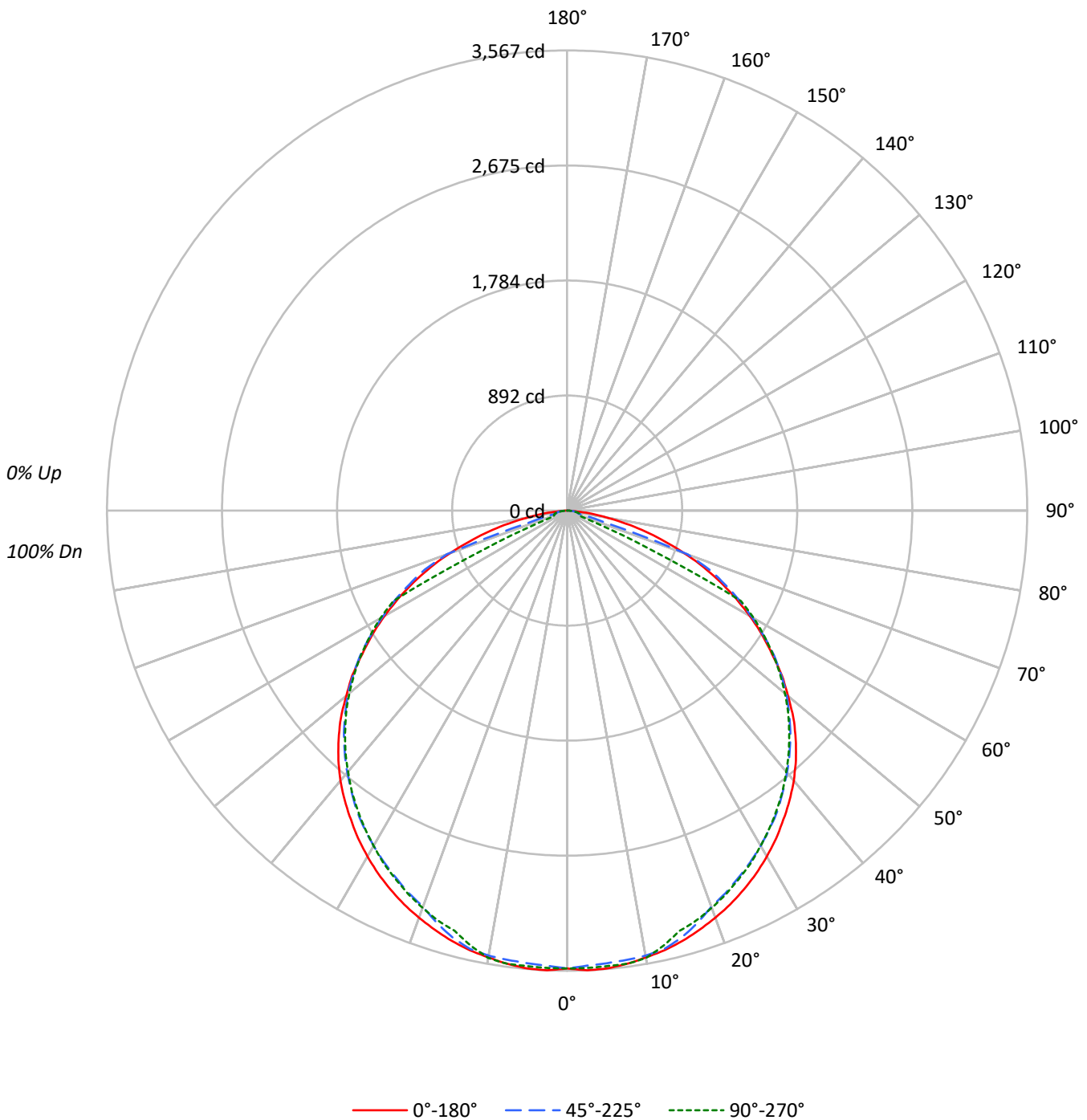
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9770.2 lumens
Efficiency: N/A
Efficacy: 221.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

Input Watts (W): 44.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	110	105	102	98	107	103	100	96	99	96	93		95	93	91		92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37		49	42	37		47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33		45	38	33		43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6367	6367	6367
5°	6416	6342	6383
10°	6407	6382	6415
15°	6415	6364	6263
20°	6412	6239	6256
25°	6415	6217	6236
30°	6413	6216	6216
35°	6402	6224	6204
40°	6401	6210	6188
45°	6359	6210	6175
50°	6236	6198	6148
55°	6067	6124	6096
60°	5871	5936	6001
65°	5560	5714	3021
70°	5088	5207	571
75°	4367	629	691
80°	3278	795	795
85°	1680	838	747



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.2	3.5
10°-20°	965.9	9.9
20°-30°	1468.4	15.0
30°-40°	1788.6	18.3
40°-50°	1892.6	19.4
50°-60°	1736.0	17.8
60°-70°	1170.9	12.0
70°-80°	353.9	3.6
80°-90°	56.6	0.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2771.4	28.4
0°-40°	4560.0	46.7
0°-60°	8188.7	83.8
0°-90°	9770.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9770.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3549	3549	3549	3549	3549	
5°	3563	3535	3522	3554	3544	338
15°	3454	3436	3427	3399	3372	975
25°	3241	3236	3141	3173	3150	1494
35°	2923	2860	2842	2851	2833	1831
45°	2506	2448	2448	2452	2434	1930
55°	1940	1913	1958	1958	1949	1736
65°	1310	1292	1346	1364	712	1293
75°	630	635	91	100	100	668
85°	82	41	41	36	36	124
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3549.0	3549.0	3549.0	3549.0	3549.0
2.5°	3567.1	3539.8	3530.9	3553.5	3549.0
5°	3562.6	3535.4	3521.7	3553.5	3544.4
7.5°	3544.4	3517.2	3512.8	3549.0	3544.4
10°	3517.2	3499.1	3503.6	3535.4	3521.7
12.5°	3490.0	3471.9	3481.0	3471.9	3453.8
15°	3453.8	3435.7	3426.6	3399.4	3372.2
17.5°	3408.5	3399.4	3354.1	3345.0	3331.5
20°	3358.5	3358.5	3267.9	3295.2	3277.1
22.5°	3304.2	3304.2	3209.0	3236.2	3218.1
25°	3240.8	3236.2	3141.0	3172.8	3150.2
27.5°	3172.8	3150.2	3073.1	3100.2	3082.1
30°	3095.8	3054.9	3000.5	3018.7	3000.5
32.5°	3014.1	2955.2	2923.4	2937.1	2918.9
35°	2923.4	2860.1	2841.9	2850.9	2832.8
37.5°	2832.8	2764.8	2746.7	2760.3	2742.1
40°	2733.2	2669.6	2651.5	2660.6	2642.5
42.5°	2624.4	2570.0	2551.9	2556.3	2542.7
45°	2506.4	2447.6	2447.6	2452.0	2433.9
47.5°	2379.5	2329.7	2334.3	2338.8	2325.1
50°	2234.5	2198.2	2220.9	2225.5	2202.8
52.5°	2098.6	2062.4	2089.4	2098.6	2080.5
55°	1939.9	1912.7	1958.1	1958.1	1949.0
57.5°	1790.4	1763.1	1808.5	1826.7	1813.0
60°	1636.2	1609.1	1654.3	1686.1	1672.4
62.5°	1473.0	1450.4	1504.8	1545.5	1518.4
65°	1309.8	1291.7	1346.1	1364.2	711.6
67.5°	1142.2	1128.5	1192.1	430.6	113.3
70°	970.0	956.4	992.7	108.8	108.8
72.5°	793.2	797.7	317.3	104.3	104.3
75°	630.1	634.6	90.7	99.7	99.7
77.5°	466.9	475.9	86.2	90.7	90.7
80°	317.3	231.2	77.0	77.0	77.0
82.5°	190.4	54.4	58.9	58.9	54.4
85°	81.6	40.7	40.7	36.3	36.3
87.5°	27.2	18.1	18.1	13.7	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)